INDEX TO VOLUME NINE (1978)

Feature articles

The Amity area, Orange County, New York (by L. E. Kearns) 85

The Carl Bosch mineral collection (by A. Roe) 181
The Chester emery mines (by G. F. Lincks) 235
The Collector's Library 5

The Crystal forms of pyrite (by R. I. Gait) 219

Cuprite up close (by P. J. Dunn) 259

Epitaxial wodginite and cassiterite from Lavra Jabuti, Baixio,
Galilea, Minas Gerais, Brazil (by P. J. Dunn, R. V.

Gaines, C. W. Wolfe and C. Barbosa) 14
Famous mineral localities: Bou-Azzer, Morocco (by G. Pallix) 69

Famous mineral localities: Chuquicamata, Chile (By R. B. Cook) 321

Famous mineral localities: Elmwood and Gordonsville zinc mines (by L. E. Kearns and H. Campbell III) 213

Famous mineral localities: Paterson, New Jersey (by T. A. Peters, J. J. Peters and J. Weber) 157

Famous mineral localities: the Brumado district, Bahia, Brazil (by J. and J. Cassedanne) 196 Famous mineral localities: the Kalahari manganese field (by

Famous mineral localities: the Kalahari manganese field (by W. E. Wilson and P. J. Dunn) 137

Famous mineral localities: the pegmatites of Laghman, Nuristan, Afghanistan (by P. Bariand and J. F. Poullen) 301

Glossary update: additions and corrections to the Glossary of Mineral Species 1975 (by M. Fleischer) 371

Mineral Species 1975 (by M. Fleischer) 371 Hydroboracite from the Furnace Creek formation: a historical

note (by H. E. Pemberton) 379 The Jeffrey quarry (by G. Newsome) 75

Kämmererite from the Kop Krom mine, Kop Dağlari, Turkey (by R. Dietrich) 277

Libethenite from the Rokana mine, Zambia (by S. P. Korowski and C. W. Notebaart) 341

Minerals of the Greenbushes tin field (by M. Pryce and J. Chester) 81

Natrolite and associated secondary minerals at Chimney Rock quarry, Bound Brook, New Jersey (by R. Sassen) 25 New minerals 1973–1977; a perspective (by P. J. Dunn) 363 Nomenclature revisions in the apophyllite group: hydroxyapophyllite, apophyllite, and fluorapophyllite (by P. J. Dunn and W. E. Wilson) 95

Quartz and pyrite from King County, Washington (by J. Medici, N. Ludlum, N. Pfaff and W. Hawes) 349

Response: mining claims for the collector (by H. Goudey)
101
Uselolite from the Duston con mine Name Maior of

Uralolite from the Dunton gem mine, Newry, Maine: a second occurrence (by P. J. Dunn and R. V. Gaines) 99Zinc phosphates at Reaphook Hill, South Australia (by C. W. Johnston and R. J. Hill) 20

Departments

Abstracts (by W. E. Wilson) 39, 115, 253 Bob Sullivan's letter from Europe 56, 132, 316, 367 Friends of Mineralogy (by J. Murphy) 267 Guest editorial

Tunnel-vision in mineral collecting (by Pete J. Dunn) 2 Historical Record (by R. Bentley) 49, 107, 243, 290, 359 Interesting papers in other journals 40, 116, 254 Letters 61, 117

Microminerals (by Violet Anderson) 32, 103, 247 (by Al Falster) 314

Mineralogical Notes
Chalcanthite from the Helvetia district, Arizona (by G. Robinson) 252

Ilvaite – a new Colorado occurrence (by H. A. Truebe) 252 Ludlamite crystals from Galileia (by J. and J. Cassedanne) 41

Notes on some occurrences in Alabama (by H. Barwood and B. Hajek) 387

Polydymite, vaesite and siegenite from Missouri (by P. J. Dunn) 111

Pseudomalachite from Australia (by D. H. McColl) 295 Texasite from Colorado (by W. W. Crook III) 251 Tilasite from the Sterling mine, Ogdensburg, New Jersey (by F. J. Parker) 385

Tungstenian tetrawickmanite from Langban, Sweden (by P. J. Dunn) 41

Tveitite from Barringer Hill district, Texas (by W. W. Crook, III) 386

Yugawaralite from Bombay, India (by W. S. Wise) 296 Zircons of Summit Rock, Oregon (by J. C. Huneke and G. R. Rossman) 391

News from the Royal Ontario Museum (by R. I. Gait) 255, 377 Notes for collectors: Cleaning and preserving pyrite (by W.

E. Wilson) 231
Notes from the editor (by W. E. Wilson) 3, 66, 130, 210, 274, 338

Personality sketches

Joseph A. Mandarino (by R. I. Gait) 120
Paul Brian Moore (by V. King, A. Kampf and R. Whitmore) 262

Photographic record (by S. C. Chamberlain) 91 (by W. E. Wilson) 293

Rare minerals report (by W. W. Pinch) 113

Record bookshelf

(books reviewed or listed:)

A Revised and Expanded Dana Classification for Phosphates, Arsenates and Vanadates by James A. Ferraiolo and Curt G. Segeler (reviewed by W. E. Wilson) 123

Atlas des Mineraux Metalliques by P. Picot and Z. Johan (reviewed by W. E. Wilson) 256

Color Encyclopedia of Gemstones by Joel E. Arem (unreviewed) 256

DIG IT! A Directory of Fee-Basis Rock Collecting Sites Open to Amateurs by Carol E. Kindler (reviewed by W. E. Wilson) 256

Gems and Minerals of Washington by Lanny Ream (unreviewed) 256

Gemstones of the World by Walter Schumann (unreviewed) 257

Geology of California by Robert M. Norris and Robert W. Webb (unreviewed) 123

Introduction to Ore Deposits by Ludwig Baumann (unreviewed) 123

Kristalle Wie Sie Wirklich Sind by Werner Lieber

(reviewed by P. Seel) 383

Manual of Mineralogy, by Cornelius S. Hurlbut, Jr., and Cornelis Klein (reviewed by P. J. Dunn) 123

Mineral and Gem Localities in Arizona by Lee Hammons (unreviewed) 256

Mineral Collector's Field Guide – Connecticut by Bud Webster (unreviewed) 257 The Mineralogy of the Diamond by Yu. L. Orlov (reviewed

by P. J. Dunn and P. Seel) 383 Minerals of the St. Lawrence Valley by George Robinson and Schuyler Alverson (unreviewed) 287

The Moon Book by Bevan M. French (unreviewed) 257
Murphy's Law and Other Reasons Why Things Go Wrong!
by Arthur Bloch (reviewed by W. E. Wilson) 383

Our Mineral Resources by Charles M. Riley (unreviewed)
123

They Physical Chemistry and Mineralogy of Soils by C. Edmund Marshall (unreviewed) 123

Quest for New Jersey Minerals by Robert Speiser (reviewed by W. E. Wilson) 383

Salzburg Mineralogical Handbook by Albert Strasser (reviewed by C. G. Segeler) 256 What's So Funny About Science? by Sidney Harris

(reviewed by W. E. Wilson) 257

Young Rockhound's Handbook by W. R. C. Shedenhelm

toung ROCKHOUMS & FLANDROOK BY W. R. C. Snedenneim (unreviewed) 257

Zauberwelt der Mineralien by Harry Wilk and Olaf Medenbach (reviewed by W. E. Wilson) 256

Zinc and Lead Occurrences in Pennsylvania by Robert C. Smith II (unreviewed) 257

Tsumeb notes

Abstract of a paper on mawsonite—(Ge)(by J. S. White) 43
Corrections and additions (by P. Keller) 44
Letter regarding Leiteite (from S. Pieters) 43
Note on zincian olivenite (from M. Fleischer) 44
Note on devilline (from D. Weber) 44
Notes on Zn-greenockite (from U. Kahn) 44
Notes on recent discoveries (by W. E. Wilson) 45
Note on silver with cuproadamite (by W. E. Wilson) 45

What's New in Minerals?

New tourmaline discovery in Brazil (by A. Lallemant) 298 Notes on the Detroit Show 1977 (by W.E. Wilson) 36 Notes on the Tucson Show 1978 (by W.E. Wilson) 192

Mineral descriptions

Antlerite (Alabama) 387 Apophyllite 95 Archerite (abstract) 39 Buchwaldite (abstract) 254 Cacoxenite (Alabama) 387 Cassiterite (Brazil) 14 Chalcanthite (Arizona) 252

Christite (abstract) 253 Churchite (Alabama) 387 Cuprite (Alabama) 387 : (Arizona) 259

Downeyite (abstract) 283 Dufrenite (Alabama) 387 Fletcherite (abstract) 39 Fluorapophyllite 95 Franzinite (abstract) 115 Gianellaite (abstract) 115 Hexahydroborite (abstract) 115 Hydroboractie (California) 379

Hexahydroborite (abstract) 115 Hydroboracite (California) 379 Hydroxyapophyllite 95 Hydroxyapophyllite 95 Hvaite (colorado) 252 Kámmererite (Turkey) 277 Kidwellite (Alabama) 387 Libethenite (Zambia) 341 Liddicoatite (abstract) 115

Liottite (abstract) 254 Ludlamite (Brazil) 41 Luetheite (abstract) 40 Machatschkiite (abstract) 115

Mawsonite - (Ge) (abstract) 43 Natrolite (New Jersey) 25 Nenadkevite (abstract) 116 Nickelblödite (abstract) 40

Otwayite (abstract) 39 Palladseite (abstract) 40 Paraspurrite (abstract) 39 Polydymite (Missouri) 111 Pseudomalachite (Australia) 295

Pyrite (crystal forms) 219 (preserving) 231 (Washington) 349

Pyrolusite (Alabama) 387 Quartz (Arkansas) 75

: (Washington) 349 Rhodochrosite (South Africa) 137 Rockbridgeite (Alabama) 387 Sarabauite (abstract) 116 Schoonerite (abstract) 253

Sekaninaite (abstract) 254 Siegenite (Missouri) 111 Slavyanskite (abstract) 254 Staurolite (Alabama) 387 Strengite (Alabama) 387

Tetrawickmanite, tungstenian (Sweden) 41 Texasite (abstract) 39

: (Colorado) 251 Tilasite (New Jersey) 385 Tourmaline, elbaite (Brazil) 298 Turquoise (Alabama) 387

Tuscanite (abstract) 115
Tveitite (abstract) 40
.: (Texas) 386

: (Texas) 386 Uralolite (Maine) 99 Vaesite (Missouri) 111 Velikite (abstract) 116 Verturnite (abstract) 40 Wavellite (Alabama) 387 Wodginite (Brazil) 14 Yugawaralite (India) 296 Zaherite (abstract) 115 Zektzerite (abstract) 253

Zinc phosphates (Australia) 21 Zircon (Oregon) 391 Localities

Afghanistan (Nuristan, Laghman) 301 Alabama (Cherokee County) 387 : (Clay County) 387 : (Elmore County) 387 : (Indian Mountain) 387

(Rock Run) 387 (Wood copper mine) 387 Arkansas (Jeffrey quarry) 75 Australia (Reaphook Hill) 20 : (Greenbushes tin field 81 Brazil (Brumado district, Bahia) 196 : (Itatiaia mine) 298 (Lavra Jabuti, Baixio, Minas Gerais) 14 California (Furnace Creek formation) 379 Chile (Chuquicamata) 321 Massachusetts (Chester emery mines) 235 Morocco (Bou-Azzer) 69 New Jersey (Chimney Rock quarry, Bound Brook) 25 (Paterson) 157 (Sterling mine) 385 New York (Amity area, Orange County) 85 Oregon (Summit Rock) 391 Quebec (Francon quarry, St. Michel) 104 : (Jeffrey mine, Asbestos) 247 South Africa (Kalahari manganese field) 137 Southwest Africa (Tsumeb) 43 Tennessee (Elmwood and Gordonsville zinc mines) 213 Texas (Barringer Hill district) 386 Turkey (Kop Krom mine, Kop Daglari) 277 Washington (King County) 349 Zaire (Schinkolobwe, Shaba) 32

Authors

Zambia (Rokana mine) 341

Anderson, V.: Microminerals column. 32, 103, 247
Barbosa, C. (see Dunn, P.J.) 14
Bariand, P., and Poullen, J.F.: Famous mineral localities: the pegmatities of Laghman, Nuristan, Afghanistan. 301
Barwood, H., and Hajek, B.: Notes on some occurrences in Alabama (Mineralogical Notes). 387

Alabama (Mineralogical Notes). 367
Bentley, R.: Historical Record column. 49, 107, 243, 290, 389
Cassedanne, J.P., and Cassedanne, J.O.: Ludlamite crystald

from Galileia (Mineralogical Notes). 41

, and ...: Famous mineral localities: the Brumado district, Bahia, Brazil. 196
Campbell, H. III (see Kearns, L.E.) 213

Chamberlain, S.C.: Photographic Record column. 91 Chester, J. (see Pryce, M.) 81

Cook, R.B.: Famous mineral localities: Chuquicamata, Chile. 321 Crook, W.W.: Texasite from Colorado (Mineralogical

Notes) 251

: Tveitite from Barringer Hill district, Texas (Mineralogical Notes) 386

(Mineralogical Notes) 386

Dietrich, R.: Kammererite from the Kop Krom mine, Kop Daglari, Turkey 277

Daglari, Turkey. 277

Dunn, P.J.: Guest editorial: Tunnel-vision in mineral collecting. 2

Gaines, R.V., Wolfe, C.W., and Barbosa, C.:

Epitaxial wodginite and cassiterite from Lavra Jabuti,
Baixio, Galilea, Minas Gerais, Brazil. 14

: Tungstenian tetrawickmanite from Långban, Sweden (Mineralogical Notes) 41 _____, and Wilson, W.E.: Nomenclature revisions in the apophyllite group: hydroxyapophyllite, apophyllite and fluorapophyllite. 95

gem mine, Newry, Maine: a second occurrence. 99

Polydymite, vaesite and siegenite from Missouri (Mineralogical Notes) 111

Book review 123, 383

: (see Wilson, W.E.) 137 : Cuprite up close. 259

: New minerals 1973–1977: a perspective. 363 Falster, A.: Microminerals column. 314

Fleischer, M.: Note of zincian olivenite (Tsumeb Notes) 44
.: Glossary update: additiona and corrections to the Glossary of Mineral Species 1975. 371

Gaines, R.V.: (see Dunn, P.J.) 14 : (see Dunn, P.J.) 99

Gait, R.I.: Personality sketch of Joseph A. Mandarino. 120
.: Crystal forms of pyrite. 219

: News from the Royal Ontario Museum. 255,

Goudey, H.: Response: mining claims for the collector. 101 Hajek, B. (see Barwood, H.) 387 Hawes, W. (see Medici, J.) 349

Hill, R.J. (see Johnston, C.W.) 20

Huneke, J.C., and Rossman, G.R.: Zircons of Summit Rock, Oregon (Mineralogical Notes) 391

Johnston, C.W., and Hill, R.J.: Zinc phosphates at Reaphook Hill, South Australia. 20

Kahn, U.: Notes on Zn-greenockite (Tsumeb Notes) 44
Kampf, A. (see King, V.) 262

Kearns, L.E.: The Amity area, Orange County, New York.

, and Campbeil, H. III: Famous mineral localities: Elmwood and Gordonsville zinc mines. 213 Keller, P.: Corrections and additions (Tsumeb Notes) 44

King, V., Kampf, A., and Whitmore, R.: Personality sketch of Paul Brian Moore. 262

Korowski, S.P., and Notebaart, C.W.: Libethenite from the Rokana mine, Zambia. 341

Lallemant, A.: New tourmaline discovery in Brazil (What's New in Minerals?) 298

Lincks, G.F.: The Chester emery mines. 235 Ludlum, N. (see Medici, J.) 349

Mandarino, J.A.: Personality sketch of (by R.I. Gait) 120
McColl, D.: Pseudomalachite from Australia (Mineralogical

Notes) 295

Medici, J., Ludlum, N., Pfaff, N., and Hawes, W.: Quartz

and pyrite from King County, Washington. 349

Moore, P.B: Personality sketch of (by V. King, A. Kampf and R. Whitmore) 262

Murphy, J.: Friends of Mineralogy column. 267 Newsome, G.: The Jeffrey quarry. 75 Notebaart, C. W. (see Korowski, S.P.) 341

Pallix, G.: Famous mineral localities: Bou-Azzer, Morocco.

Parker, F.J.: Tilasite from the Sterling mine, Ogdensburg, New Jersey (Mineralogical Notes) 385

Pemberton, H.E.: Hydroboracite from the Furnace Creek formation: a historical note. 379

Peters, J. J. (see Peters, T. A.) 157

Peters, T. A., Peters, J. J., and Weber, J.: Famous mineral localities: Paterson, New Jersey. 157

Pfaff, N. (see Medici, J.) 349

Pieters, S.: Letter regarding Leiteite (Tsumeb Notes) 43 Pinch, W. W.: Rare Minerals Report column. 113

Poullen, J. F. (see Bariand, P.) 301 Pryce, M., and Chester, J.: Minerals of the Greenbushes tin

field. 81

Robinson, G.: Chalcanthite from the Helvetia district,
Arizona (Mineralogical Notes) 252

Roe, A.: The Carl Bosch mineral collection. 181 Rossman, G. R. (see Huneke, J. C.) 391

Sassen, R.: Natrolite and associated secondary minerals at Chimney Rock quarry, Bound Brook, New Jersey. 25 Seel, P.: Book review. 383

Segeler, C. G.: Book review 256

Sullivan, R.: Bob Sullivan's letter from Europe. 56, 132, 316, 367

Truebe, H. A.: Ilvaite - a new Colorado occurrence (Mineralogical Notes) 252

Weber, D.: Note on devilline (Tsumeb Notes) 44

Weber, J. (see Peters, T. A.) 157

White, J. S.: Abstract of a peper on mawsonite-(Ge) (Tsumeb Notes) 43

Whitmore, R. (see King, V.) 262

Wilson, W. E.: Notes from the Editor. 3, 66, 130, 210, 274, 338

: Notes on the Detroit Show 1977 (What's New in Minerals?) 36
: Note on silver with cuproadamite (Tsumeb

Notes) 45

: Notes on recent discoveries (Tsumeb Notes) 45

: (see Dunn, P. J.) 95 : Book review 123, 256, 257, 383, 384

and Dunn, P. J.: Famous mineral localities: The Kalahari manganese field. 137

:: Notes on the Tucson Show 1978 (What's New in Minerals?) 192
:: Notes for Collectors (cleaning and preserving

pyrite) 231

: Photographic Record column. 293
Wise, W. S.: Yugawaralite from Bombny, India (Mineralogical Notes) 296
Wolfe, C. W. (see Dunn, P. J.) 14

Miscellaneous

Airport X-rays 293
Annual donor's list 130
Arranging specimens 210
Bosch, Carl, mineral collection of 181
Electronic flash techniques 292
Illustrated specimen labels 131
Mineral Collector magazine 243
Mineral labels 49
Number of American mineral collectors 3
Schortmann's minerals 107
Suggestions for authors 135
Waddell collection 91



